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WHAT IS CLAIMED IS:

1. A device Device for connecting a longitudinal carrier (11) to a bone fixation means (1), particularly a pedicle screw the device comprising
 3. A) a connection element having a (5) arranged coaxial to the central axis (2), with an external surface, an upper end (6), a lower end (7), a cavity (8) extending coaxially along to the central axis (2) passing through the connection element (5) from the upper end (6) to the lower end (7), which is designed tapering towards its the cavity having a reduced diameter portion at the lower end (7) forming by means of at least one shoulder (9) therein, and a channel (10) passing through the connection element (5) transversely to the central longitudinal axis (2) for receiving the a longitudinal carrier (11);
 10. B) a sealing cap (12), comprising having a front end (20), a rear end (19), a second cavity (18) opening at the front end (20) for receiving the connection element (5), and a second channel (17) extending transversely to the central axis (2) and opening towards the front end (20) of the sealing cap (12); and
 14. C) tensioning means (13), which can be fixed to for engaging the rear end of the sealing cap (12) at its rear end (19) and by means of which a for securing the position of the longitudinal carrier (11) inserted in the channel (10) with respect to can be fixed in the connection element (5), whereby
 18. D) externally on wherein the external surface of the connection element (5) and the internal surface of in the second cavity (18) formed in the sealing cap contains complementary (12) latch in arresting means (21) are arranged complementary to each other, which serve for securing the sealing cap (12) to the connection element (5), and
 22. E) the device further includes comprises securing means (35) wherewith the screw head 30 of so that the bone fixation means + is prevented from passing through is secured from driving out of the cavity 8.
1. 2. The device Device according to claim 1, wherein characterised in that the arresting means (21) are arranged in a cross-section surface orthogonal to the central axis (2) on the periphery of the connection element (5) and on the periphery of the second cavity (18) in the sealing cap (12).

1 3. The device Device according to claim 2, wherein characterised in that the
2 arresting means (21) comprise includes a plurality of bulges formed on the external surface of
3 (15) externally on the connection element (5) and a plurality of complementary depressions (16)
4 formed in the second cavity (18) of in the sealing cap (12).

1 4. The device Device according to one of the claims 1 to 3, characterised in that
2 wherein the shoulder has (9) comprises a level bearing surface (25) of circular-ring shape
3 concentric to the central axis (2).

1 5. The device Device according to one of the claims 1 to 4, characterised in that
2 wherein the sealing cap further includes comprises (12) two slots (34) arranged orthogonal to the
3 second channel (17), the slots extending from the front end of the sealing cap which penetrate the
4 wall of the sealing cap (12) from the direction of the front end (20).

1 6. The device Device according to one of the claims 1 to 5, further comprising
2 characterised in that it comprises a bone fixation means having (1) with a central axis (2), a front
3 segment (3) and an axially adjoining rear segment (4), wherein the rear segment (4) has a
4 cylindrical or prismatic form for engaging the shoulder, and the front segment (3) extends
5 through the lower end of the connection element for engaging is used for fixation to a bone, and
6 that the rear segment (4) of the bone fixation means (4) is arrested by the shoulder (9) axial
7 towards the lower end (7) of the connection element (5) whereas the front segment (3) of the
8 bone fixation means (1) protrudes axially at the lower end (7) of the connection element (5).

1 7. The device Device according to claim 6, wherein characterised in that the bone
2 fixation means (1) is a pedicle screw with a screw shaft (24) having an external thread (26) and a
3 screw head (30) at an the end position thereof.